

**AMENDMENTS TO THE CLAIMS:**

Kindly amend the claims without prejudice, without admission, without surrender of subject matter, and without any intention of creating any estoppel as to equivalents, with the following listing of claims, which replaces all prior versions and listings of claims in the application.

**Listing of claims:**

1. (Currently Amended) A bone fixation device comprising:  
an intramedullary pin having a longitudinal axis, a proximal end, and a distal tip  
configured and dimensioned for insertion into a medullary canal of a bone, the intramedullary pin having a total length with proximal and distal halves, and  
the proximal half of the intramedullary pin includes at least one borehole  
passing through the intramedullary pin transverse to the longitudinal axis, the  
at least one borehole defining a transverse borehole axis;  
a bone plate ~~configured and dimensioned for attachment to~~ disposed at the proximal  
end of the intramedullary pin, the bone plate having a length extending toward  
the distal tip of the  ~~nail~~intramedullary pin and adapted to lie in contact with  
the greater trochanter;  
wherein the length of the plate ends proximally above the borehole in the  
intramedullary pin; and  
wherein the bone plate includes an angled tab configured and dimensioned to have a  
center of gravity lying on a radius of a cross-sectional area of the  
intramedullary pin taken orthogonally to the intramedullary pin's longitudinal  
axis and enclosing an angle  $\beta$  relative to a plane defined by the transverse  
borehole axis and the intramedullary pin's longitudinal axis, where angle  $\beta$  is  
between  $0^\circ$  and  $+100^\circ$  or between  $0^\circ$  and  $-100^\circ$ .
2. (Canceled).
3. (Canceled).

4. (Currently Amended) The device of claim 1, wherein the distal half of the intramedullary pin, ~~has a further~~ includes a transverse borehole passing through it for accommodating a locking screw.
5. (Currently Amended) The device of claim 1, wherein the intramedullary pin, is provided with at least two transverse grooves in its distal half .
6. (Currently Amended) The device of claim 1, wherein the bone plate and the intramedullary pin are in one a single piece.
7. (Currently Amended) The device of claim 1, wherein ~~the bone plate includes an angled tab with a center of gravity, and a projection of the center of gravity onto a cross-sectional area taken orthogonal to the longitudinal axis of the pin lies on a radius enclosing, in the cross-sectional area, an angle  $\beta$  of is between  $+40^\circ$  and  $+50^\circ$  relative to a projection of the transverse borehole axis onto the cross-sectional area.~~
8. (Currently Amended) The device of claim 1, wherein the proximal half of the intramedullary pin has a second transverse borehole, which passes through it for accommodating a second hip screw.
9. (Currently Amended) The device of claim 1, wherein the bone plate has a circular borehole and the proximal rear end of the intramedullary pin has a cylindrical elevation corresponding thereto, so that the bone plate may be disposed about this elevation.
10. (Currently Amended) The device of claim 1, wherein the bone plate has a cam, which can be lowered into a depression, provided at the proximal end at the intramedullary pin, so that the bone plate can be connected with the intramedullary pin in a defined relative position and secured against rotation.
11. (Currently Amended) The device of claim 9, wherein the cylindrical elevation at the proximal end of the intramedullary pin has an external thread.

12. (Previously Presented) The device of claim 11, further comprising a nut with an internal thread corresponding to the external thread.
13. (Currently Amended) The device of claim 21, wherein the tab, viewed parallel to the longitudinal axis, extends around the intramedullary pin at an angle  $\alpha$ , the angle  $\alpha$  being between  $10^\circ$  and  $200^\circ$ .
14. (Previously Presented) The device of claim 1, wherein the bone plate has at least one perforation.
15. (Currently Amended) The device of claim 10, wherein the cylindrical elevation at the proximal rear end of the intramedullary pin has an external thread.
16. (Currently Amended) The device of claim 1, wherein ~~the bone plate includes an angled tab with a center of gravity, and a projection of the center of gravity onto a cross-sectional area taken orthogonal to the longitudinal axis of the pin lies on a radius enclosing, in the cross-sectional area, an angle  $\beta$  of is between  $-40^\circ$  and  $-50^\circ$  relative to a projection of the transverse borehole axis onto the cross-sectional area.~~
17. (Previously Presented) The device of claim 1, wherein the bone plate includes a pair of petals having at least two perforations.
18. (Currently Amended) A bone fixation device comprising:  
an intramedullary pin having a longitudinal axis, a proximal end, and a distal end  
configured and dimensioned for insertion into a medullary canal of a bone, the intramedullary pin having a total length with proximal and distal halves, the proximal half of the intramedullary pin including at least one borehole passing through the intramedullary pin transverse to the longitudinal axis, the at least one borehole defining a transverse borehole axis;

a bone plate configured and dimensioned for attachment to disposed at the proximal end of the intramedullary pin, the bone plate including an angled tab with a pair of petals extending toward the distal end of the  nailintramedullary pin and adapted to lie in contact with the greater trochanter;  
wherein the angled tab does not extend past the borehole in the intramedullary pin; and  
wherein the angled tab is configured and dimensioned to have a center of gravity lying on a radius of a cross-sectional area of the intramedullary pin taken orthogonally to the intramedullary pin's longitudinal axis and enclosing an angle  $\beta$  relative to a plane defined by the transverse borehole axis and the intramedullary pin's longitudinal axis, where angle  $\beta$  is between  $0^\circ$  and  $+100^\circ$  or between  $0^\circ$  and  $-100^\circ$ .

19. (Previously Presented) The device of claim 18, wherein the angled tab includes a plurality of perforations.

20. (Currently Amended) The device of claim 18, wherein the angled tab extends around the intramedullary pin over an angle of between  $10^\circ$  and  $200^\circ$  relative to the longitudinal axis.

21. (New) A bone fixation device comprising:  
an intramedullary pin having a longitudinal axis, a proximal end, and a distal tip configured and dimensioned for insertion into a medullary canal of a bone, the intramedullary pin having a total length with proximal and distal halves, and the proximal half of the intramedullary pin includes at least one borehole passing through the intramedullary pin transverse to the longitudinal axis, the at least one borehole defining a transverse borehole axis;  
a bone plate disposed at the proximal end of the intramedullary pin, the bone plate having a length extending toward the distal tip of the intramedullary pin and adapted to lie in contact with the greater trochanter;  
wherein the length of the plate ends proximally above the borehole in the intramedullary pin; and

U.S. Application Serial No. 10/530,087  
Filed: January 30, 2006  
Docket No.: 8932-1091-999  
CAM No.: 232200-999280  
Response to Office Action Mailed March 27, 2007

wherein the bone plate includes an angled tab with a center of gravity, the angled tab configured and dimensioned such that a first plane defined by the center of gravity and the longitudinal axis intersects a second plane defined by the transverse borehole axis and the longitudinal axis at an angle  $\beta$  of between  $0^\circ$  and  $+100^\circ$  degrees.